

## DESCRIPTIVE ABSTRACT

### **DEVICE FOR THE ELIMINATION OF GAS OR PARAFFIN HYDRATE DEPOSITS THAT FORM IN WELL DRILLING EQUIPMENT OR HYDROCARBON PRODUCTION OR TRANSPORTATION EQUIPMENT**

The invention relates to a device for the elimination of gas or paraffin hydrate deposits that form in well drilling equipment or hydrocarbon production and transportation equipment through the use of a reactant that is likely to decompose at high temperatures.

-The device consists of: an annular decomposition chamber (1) mounted in a sealed manner around a section of said piping (2), where said chamber contains a catalyst (3) that promotes the decomposition of said reactant,

- a reservoir for the reactant (4) that feeds said decomposition chamber with the reactant so as to heat the hydrate and paraffin deposits (9) through the heat that emanates from the decomposition of the reactant by the catalyst,

- an output tube (11) for the evacuation of the products that result from the decomposition of the reactant outside the decomposition chamber,

- and means for injecting (13, 14) a flushing fluid under pressure inside the decomposition chamber in order to carry said products that result from the decomposition toward the output tube.

Figure 1